

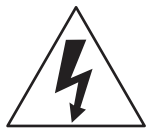
# I-Sniper OSD MENU

## USER'S INSTRUCTIONS

### **Vandal-proof Dome DNR Day / Night Weatherproof Camera User's Manual**

**Products : EL-470**





The lightning flash with an arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**INFORMATION** - This equipment has been tested and found to comply with limits for a Class A digital device, pursuant to part 15 of the FCC Rules & CE Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**WARNING** - Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

**CAUTION** : To prevent electric shock and risk of fire hazards:

- ☞ Do NOT use power sources other than those specified.
- ☞ Do NOT expose this appliance to rain or moisture.

This installation should be made by a qualified service person and should conform to all local codes.

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## On Screen Display (OSD) Menu

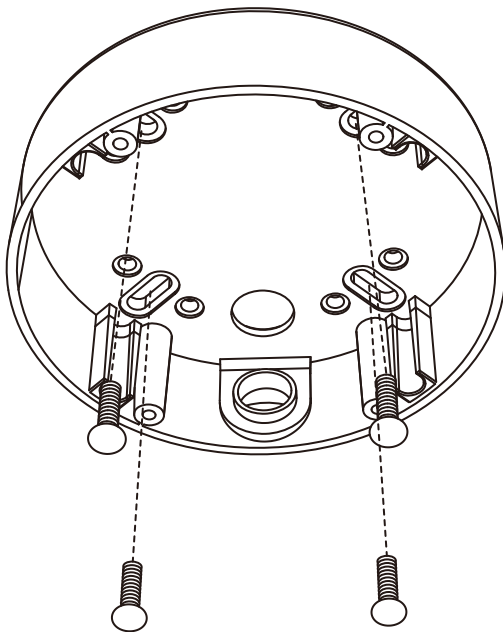
### On Screen Display (OSD) Menu

Camera functions and settings can be adjusted or changed by activating the OSD menu. When the OSD menu is activated text will display on the monitor. The user can then move the cursor to the desired function to change the setting.

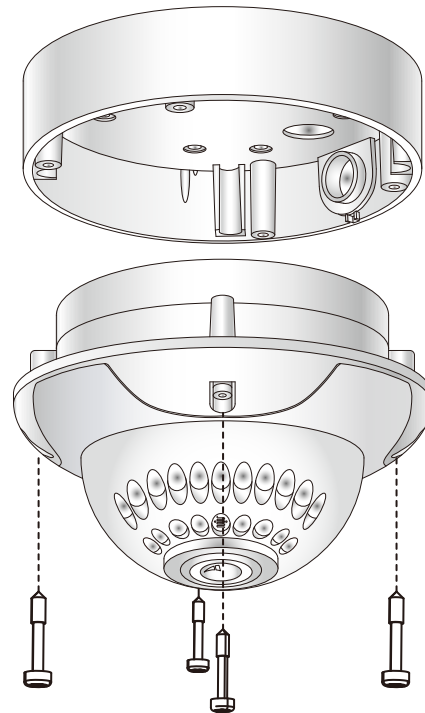
Setup Menu				
WDR CONTROL	MEDIUM	HIGH		
BLC	ON	OFF		
AGC	NORMAL	HIGH	LOW	
WHITE BALANCE	ATW	AWB		
FLUORESCENT	OFF	CRR	CRR2	
ICR DVR TOOL	OFF	ELITE SERIES	FLEX SERIES	
	MAX SERIES	EDGE SERIES		
RS-485	CAMERA #	1~255		
FLIP	OFF	HORIZ	VERT	BOTH
SAVE&EXIT	DEFAULT	CANCEL		

## INSTALLING & COMPONENTS

### 1. Installation



Ø5t tapping screw x4 (supplied)



M4 Machine screw x4 (supplied)

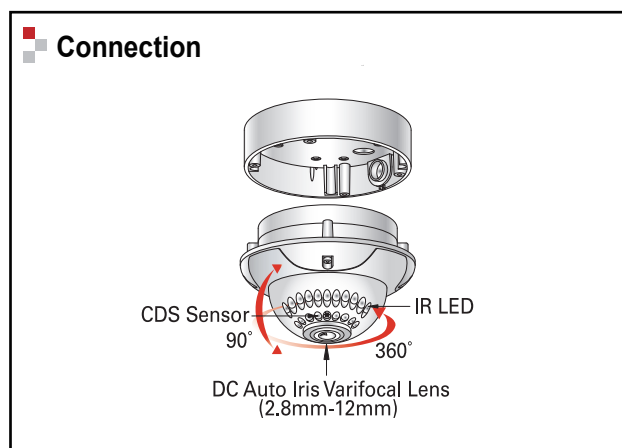
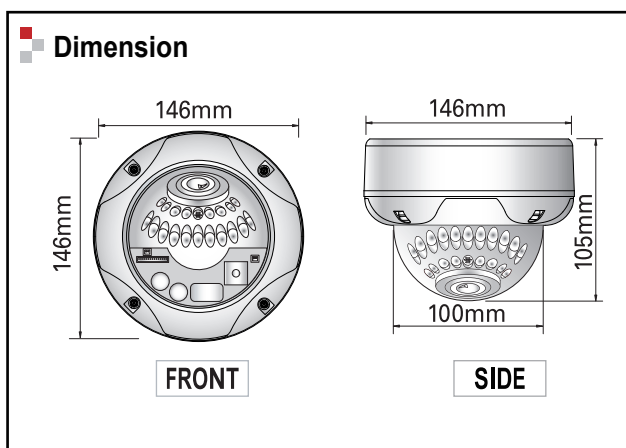
- Affix the mounting template to the mounting surface
- Using the L-wrench provided, loosen 4 screws by turning them and separate the dome cover
- Drill holes on the ceiling by matching to the holes on the case bed. Fix the case bed on the ceiling by using tapping screws.
- Pass the power and video cable through the hole you want to pass them when mounting the main body on the mounting bracket.
- Point a camera gimball to a desired derrection and assemble a dome cover to the flush mounting base with socket screws by using L-Wrench provided.

### 2. Components

- CAMERA 1piece
- Instruction Manual 1piece
- Service Monitor Cable 1piece
- Tapping Screw 4pieces
- L-wrench 1piece

## DIMENSION & SPECIFICATION

### 1. Dimension & Connection

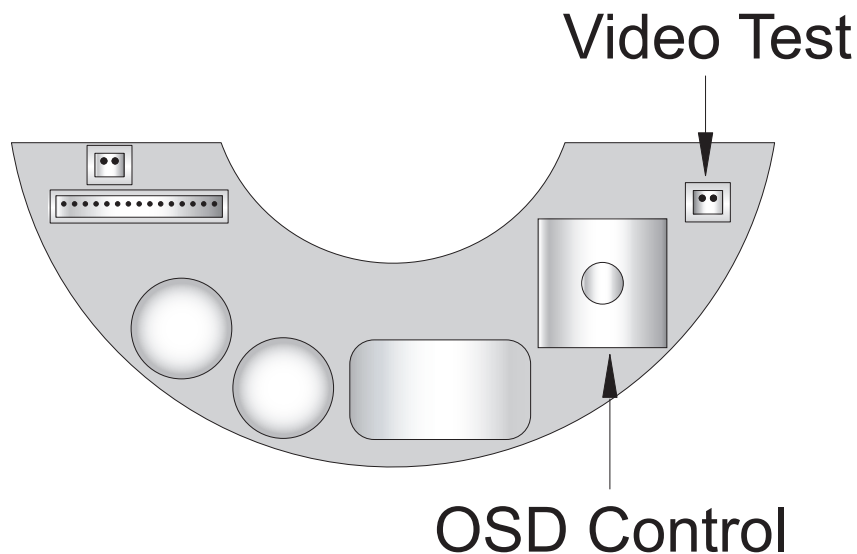



### 2. Specification

MODEL	IR LED VANDAL DOME
Image Sensor	PIXIM 1/3" High Sensitivity Digital Sensor
Effective Pixels	768(H) x 540(V)
Synchronization	Internal
Scanning System	2:1 Interlace / Progressive selectable
Horizontal Resolution	700TVL Effective
Min. Illumination	0.1Lux/50IRE/F1.2(Color), 0.01 Lux/50IRE(B/W)(Sens-Up*64x)
S / N (Ratio)	More than 50dB @50Lux
Video Output	CVBS x2(75Ω), UTP, ITU656(Digital)
Camera Title	Available
Backlight Compensation	ON / OFF
WDR	LOW / NORMAL / MEDIUM / HIGH(Max. 120dB)
Activity Zones	4 Programmable Zones
Privacy Masking	12 Programmable Zones
DNR	AUTO
Sens - up (Slow Shutter)	Selectable x2~x64
AGC	LOW / MEDIUM / HIGH
White Balance	ATW / AWB
Color Temperature	2,000~11,000°K
Electronic Shutter Speed	1/25-1/30,720 SEC@(F1.2)
Digital Zoom	~ x4, Pan / Tilt
Power	DC 12V
Power Consumption	IR LED ON:700mA Max
Lens	DC Auto Iris Varifocal Lens(2.8mm-12mm)
Operating Temperature/Humidity	-10 ~ +50 Deg C. RH 95% Max.
Storage Temperature/Humidity	-20 ~ +60 Deg C. RH 95% Max.
Dimension	146mm(W) * 105mm(H) * 146mm(D)
Weight	1400g

## OSD Control Button

1. OSD button could be used when it needs to OSD control.

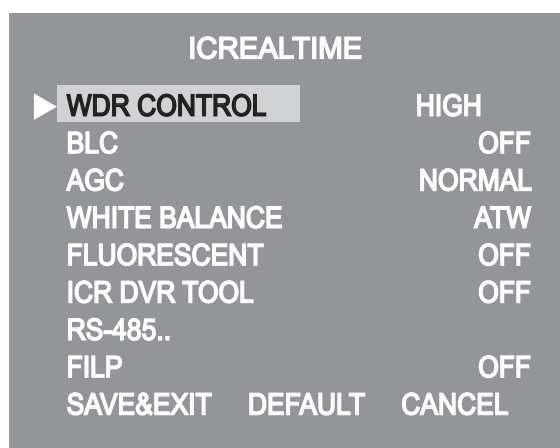


- ▲ Up button: Moves the cursor upwards. Use this button to select an item or adjust the parameters.
- ▼ Down button: Moves the cursor downwards. Use this button to select an item or adjust the parameters.
- ◀ Left button: Moves the cursor to the left. Use this button to select or adjust the parameters of the selected item. The parameter changes each time this button is pressed.
- ▶ Right button: Moves the cursor to the right. Use this button to select or adjust the parameters of the selected item. The parameter changes each time this button is pressed.
- ◎ Set button: Executes selections and displays a submenu for an item with the  mark.

## WDR Control

WDR gives the camera the ability to capture shadow and highlight detail at the same time without artifacts. It is measured by " deep black" and crisp white while retaining image detail. It is also measured by subtlety of gradations.

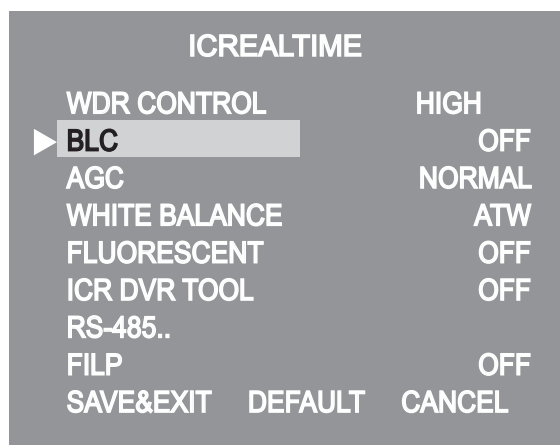
1. When the OSD menu screen is displayed, highlight 'WDR CONTROL' by using the Up and Down buttons.



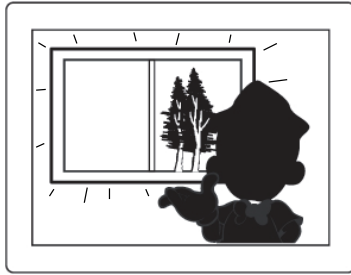
2. Press the right button to choose from the following options.
  - MEDIUM
  - HIGH

## BLC(Back-Light Compensation)

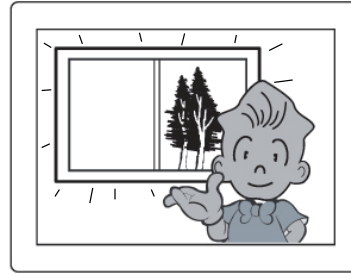
Enables a user to select a desired area on a picture and view that area more clearly.







BLC OFF

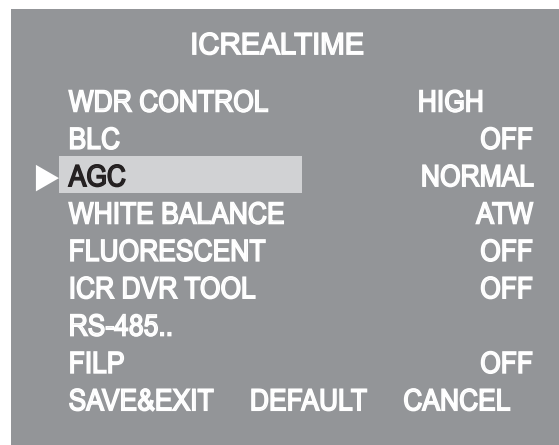


BLC ON

- OFF : Select this when you back-light conditions are not a concern.
- ON : Select this when back-light conditions interfere with proper illumination of the foreground subject. Enter the selection to adjust percent BLC illumination correction.

## AGC(Auto Gain Control)

Automatically adjust brightness according to the incoming signal. The higher the AGC-the brighter the screen, but also the higher the noise.

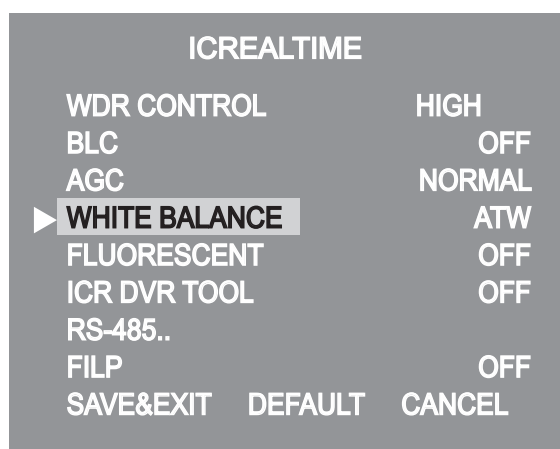


- NORMAL : Select this default setting when you want a moderate level of brightness compensation by AGC.
- HIGH : Select this when you may want increased brightness levels to be compensated by AGC.
- LOW : Select this when you may want less brightness compensated by AGC.

## White Balance

White Balance is a function which compensates different colors of light being emitted from different light sources. Users can select the appropriate levels according to the environment.

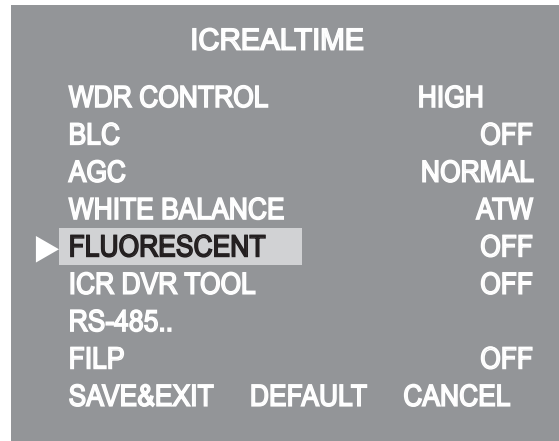
1. When the OSD menu is displayed, highlight 'WHITE BALANCE' by using the Up and Down buttons.



2. Use the right / left buttons to change a menu option. Press SETUP to enter a sub-menu item.
- ATW : The ATW mode continuously monitors color temperature. Color temperature and white balance can be automatically adjusted accordingly. The levels of the color temperature setting are adjustable between 2,000°K and 11,000°K(i.e. fluorescent light, outdoor, sodium vapor lamp, etc).
  - AWB : "One touch" white balance which is set with a white card and is locked to that white balance setting regardless of scene content.

## Fluorescent

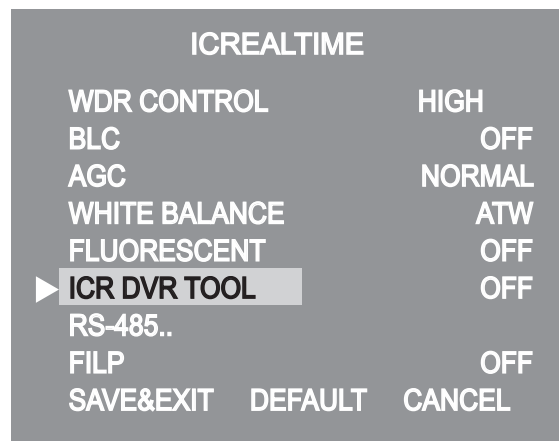
1. When the OSD menu is displayed, highlight 'FLUORESCENT' by using the Up and Down buttons.



2. Use the right / left buttons to change a menu option.
  - OFF : No fluorescent lighting compensation.
  - CRR : With 12vdc, eliminates most color rolling and preserves dynamic range capture mode.
  - CRR2 : Eliminates a broader range of color rolling conditions vs. CRR setting.

## ICR DVR Tool

1. If you select "OFF", Sharpness goes up. Generally, Sharpness goes down at normal and low light condition and the image at low light condition is bright. You can decide the mode of sharpness by switching and reviewing each mode.

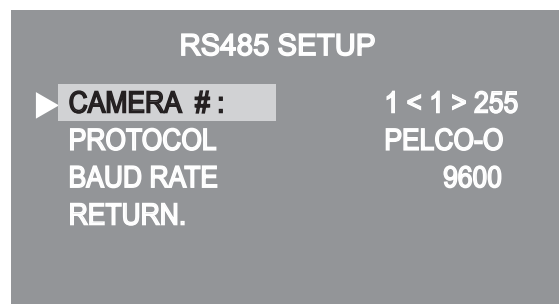
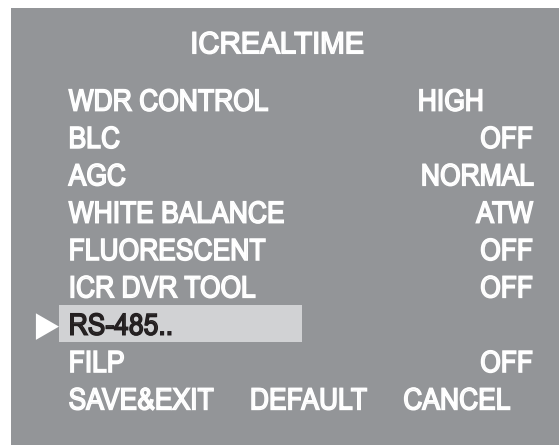


2. Use the right / left buttons to change a menu option.

- OFF
- ELITE SERIES
- FLEX SERIES
- MAX SERIES
- EDGE SERIES

## RS-485

RS-485 is a function which set up camera #, protocol and baud rate.

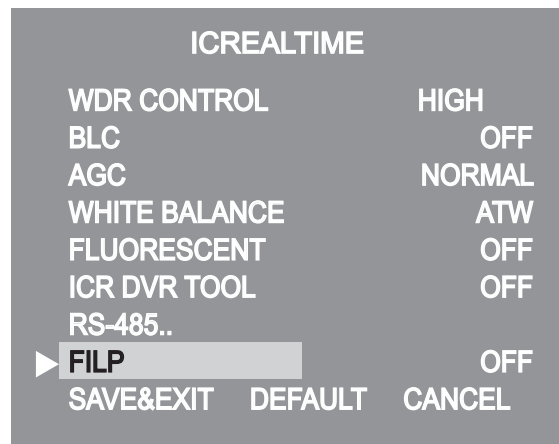


- CAMERA # : 1~255
- PROTOCOL : PELCO-D
- BAUD RATE : 9,600bps(2,400~19,200)

# Flip

Changes the direction of the camera image displayed on the screen.

- VERTICAL      - HORIZONTAL      - BOTH      - OFF



## ● Trouble Shooting

PROBLEM	POSSIBLE CAUSE
Nothing appears on the screen.	☞ Check the power cable, power supply output and video connection between the camera and monitor.
The image on the screen is dim.	☞ Are the camera lens or the lens glass dirty? Clean the lens / glass with a soft clean cloth. ☞ Adjust the monitor controls, as required. ☞ If the camera is facing a very strong light, change the camera position. ☞ Adjust the lens focus.
The image on the screen is dark.	☞ Adjust the contrast control of the monitor. ☞ If there is an intermediate device, correctly set the 75Ω/Hi-z.
The camera is not working properly and the surface of the camera is hot.	☞ Check the camera is correctly connected to an appropriate regulated power source.
Motion Detection is not activated.	☞ Has MOTION DET been set to ON in the menu? ☞ Has MD AREA been properly defined?
The color of the picture is not correct.	☞ Check the settings in WHITE BALANCE menu.
The image on the screen flickers.	☞ Make sure that the camera isn't facing direct sunlight or fluorescent lighting. If necessary, change the camera position.
The SENS-UP does not work.	☞ Check that the AGC setting in the EXPOSURE menu isn't set to OFF. ☞ Check the EXPOSURE menu and make sure SHUTTER is set to-----





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